

6-25-1993

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Recommended Citation

"Eggs, Heartbeats and Golf Tees Demonstrate Engineering; UD and Sinclair Team Up to Teach About Science Instruments; Math Students Get Paid to Figure at UD Summer Program" (1993). *News Releases*. 7881.
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The University of Dayton

News Release

June 25, 1993

Contact: Pam Huber

JUNE 28-JULY 2: EGGS, HEARTBEATS AND GOLF TEES DEMONSTRATE ENGINEERING

Catapulting eggs, testing resting heartbeats and making golf tees are just some of the activities that will teach high school students from around the state about different engineering careers during the Governor's Summer Institute 1993 from June 28 to July 2 at the University of Dayton. About 35 students will spend the week living on campus and taking part in daily morning and afternoon sessions. A session on electrocardiograms (electrical interpretation of heartbeats) will be held at 8:30 a.m. and again at 1 p.m. Monday, June 28, in Kettering Laboratories room 312. Aerospace structures (protecting an egg from damage when it's flung by a catapult) will be held at 8:30 a.m. and again at 1 p.m. Wednesday, June 30, in Kettering Laboratories room 252. Experiments in chemical engineering (including using injection molding to make plastic golf tees) will be held at 8:30 a.m. Thursday, July 1, in Wohlleben Hall room 120.

Another group of high school students will come to UD for the program July 19-23. For more on the Governor's Summer Institute 1993, call **Tom Matczynski** at (513) 229-3734.

JUNE 28-JULY 2: UD AND SINCLAIR TEAM UP TO TEACH ABOUT SCIENCE INSTRUMENTS

Professors at the University of Dayton and Sinclair Community College will team up to teach chemistry faculty members from two-year colleges about instruments used in the lab. About 32 visiting teachers from Maine to California will become proficient with instruments used to measure atomic absorption, gas chromatography, and nuclear magnetic resonance, all skills that they will pass on to students at their schools. Sessions on the instruments will be held daily from June 28 to July 1 from 8:30 a.m. to noon and 1 to 5 p.m. in Wohlleben Hall rooms 306, 401, 402, 404 and 409 and Kettering Laboratories room 112. The workshop is supported by a \$173,000 grant from the National Science Foundation to the two schools and the American Chemical Society.

For more information, call **R. Gerald Keil** at (513) 229-2601.

JUNE 28-AUG. 11: MATH STUDENTS GET PAID TO FIGURE AT UD SUMMER PROGRAM

Six men and two women who are considering careers as mathematicians will spend eight weeks at the University of Dayton this summer, exploring new discoveries in math — and being paid for it. The National Science Foundation Research Experience for Undergraduates pays students \$2,500 stipends to plunge into an area of math theory. One hundred eager applicants vied for the eight available spots and the opportunity to go beyond what's written in math books. As one student said, "You don't know how happy I am to have this job. Last summer I was digging ditches." The students will be on campus from June 28 to Aug. 1, and weekly guest speakers will talk about different areas of math.

For more information, call **Harry Mushenheim** at (513) 229-2106.